

383527 to 383813—Continued

383595. *ASTRAGALUS HAMOSUS* L.

262. Oolaplioere, via Grassland and Animal Husbandry Research Station Ankara. Annual plant. Nursery No. L-1518. 1963 harvest. Wild.

383596. *ASTRAGALUS* sp.

28. Ten km. south of Nidge. Perennial plant, spiny. Low, cushion type with small, gray pinnate leaves. Sierozem soil on rocky outcrop. Growing in association with *Artemisia aucheri* and *Poa bulbosa*. Wild.

383597. *ASTRAGALUS* sp.

32. Forty km. south of Nidge. Perennial nonspiny taproot. Eleven pairs of leaflets, pinnate pubescent leaves. Stems branched, semi-erect to 10 cm. tall. Cloverlike head. Purple-blue flowers. Elevation 1,400 m. Wild.

383598. *ASTRAGALUS* sp.

36. Forty km. south of Nidge. Perennial tap root, nonspiny. Leaves lightly pubescent, pinnate. Globose cloverlike head, 2.5 cm. in diameter. Light colored, mat forming. Growing on shale hillside with *Thymus* sp. Wild.

383599. *ASTRAGALUS* sp.

37. Forty km. south of Nidge. Perennial, nonspiny. Mat forming leaves to 5 cm. tall, 20 cm. in diameter, pinnate. Brown globose cloverlike heads to 1.5 cm. in diameter, 3 cm. long. Wild.

383600. *ASTRAGALUS* sp.

83. Elazig. Perennial, spiny plant. Cushion type with short spines. Sparsely used by sheep. Top of grade northeast of town. Clay loam with basalt. Wild.

383601. *ASTRAGALUS* sp.

89. Pertek, near top of grade northeast of Elazig. Perennial taproot, nonspiny. Branched stems, 5 foliate leaflets. Has head similar to red clover. Elevation 1,900 m.

383602. *ASTRAGALUS* sp.

90. Pertek. Perennial, taprooted. Foliage gray, pubescent. Inflated pods. Wild.

383603. *ASTRAGALUS* sp.

91. Pertek, near top of grade. Perennial plant, taproot, nonspiny. Basal leaves to 12 cm. long, 10-15 orbicular leaflet pairs. Seed pods 2 cm. long clustered around a 10 cm. spike on a 20 cm. stem. Brown soil, heavy limestone basalt mixture. Elevation 1,400 m. Wild.

383604. *ASTRAGALUS* sp.

104. Dagyolo. Perennial, taproot, succulent, pale green glaucous. Ten to twelve erect stems, 1 cm. in diameter and 50 cm. tall. Six pairs of large leaflets. Seed in pod on a spike. Steep, north slope on road, deep clay loam. Elevation 1,900 m.

383605. *ASTRAGALUS* sp.

151. Twenty km. north of Erzurum. Perennial, small spiny bush. Gray foliage, seeds clustered on end of elongate head. On 20 cm. tall stem. Dry hillside. Wild.

383606. *ASTRAGALUS* sp.

175. Twenty km. west of Ardehan. Perennial plant. Several coarse stems to 1 m. tall and 2 cm. in diameter. Many-branched, triangular seed pods hanging from terminal spikes. On roadside in deep silt loam. Wild.

383607. *BECKMANNIA ERUCIFORMIS* (L.) Host Gramineae.

145. Ten km. north of Erzurum. Large plants, heavily utilized by cattle. Deep clay loam in valley bottom along drainage ditch and adjacent wet